

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,766

DATE: 10/11/2001

TIME: 10:25:25

Input Set : A:\ES.txt

Output Set: N:\CRF3\10112001\I856766.raw

3 <110> APPLICANT: Nick, Harry S
4 Rogers, Richard J
5 Valentine, John F
7 <120> TITLE OF INVENTION: MANGANESE SUPEROXIDE DISMUTASE REGULATORY ELEMENTS
8 AND USES THEREFORE
10 <130> FILE REFERENCE: UFJ-002US
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/856,766 OK
C--> 13 <141> CURRENT FILING DATE: 2001-08-28
15 <150> PRIOR APPLICATION NUMBER: USSN 60/110,334
16 <151> PRIOR FILING DATE: 1998-11-30
18 <160> NUMBER OF SEQ ID NOS: 5
20 <170> SOFTWARE: PatentIn Ver. 2.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 554
24 <212> TYPE: DNA
25 <213> ORGANISM: Rattus norvegicus
27 <400> SEQUENCE: 1
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29 gtggagaagt gtggtatttt agcatagttg tgtaagtggc ccaaccaaga gaaggaaatt 120
30 accacattct ggaaatttta cttgcaataa gcaaatcaca taatcgtgaa tacgggaaga 180
31 gactctgatt taggaaatga cagatttggg aaggctgtgg taatagttag taggggaaaa 240
32 gccagttgg gaaatcgttt cctctaagg gacatctgac aactttcctc ttaatgttgt 300
33 aaaaacatgg tgatttcaac ccttcctggt agacagagct gtatttgttt agtgaatgct 360
34 gctgggaata agaagccgt ggttttattg acctggctga ggatggattt tgaaaagggt 420
35 ttacgtttt atatttcagg agatgttaca actcagggtg ctcttcagcc tgcactgaag 480
36 ttcaatggcg ggggccatat caatcacagc attttctgga caaacctgag ccctaagggt 540
37 ggtggagaac ccaa 554
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 466
41 <212> TYPE: DNA
42 <213> ORGANISM: Homo sapiens
44 <400> SEQUENCE: 2
45 cgtagtggt ttgcacaagg aagataatcg atagtcattg tttttagacg ctctgtattg 60
46 cttggtgaag tacgtagtaa aaaatgttta cttttcctta aatgttttga atttcgggggt 120
47 tatgaaattt gttgagtaat ttttagacag tcacatcttg ttgactggag gcatctagt 180
48 gaaaaatgca gtatttcagc ctgatttgtt ttgaagtaaa tgattaaaag aggaggaagt 240
49 taccacattc tggaagattt acttgagaca gacgaacctt gaattacggg aaaaggcccc 300
50 gtgatttagg aaataacaaa tttgggaaac atgtaatggg gagagactgg ggaatacccc 360
51 agttgtgaaa gtacttcctg taaggcaaca tctgacacca ggaaccttct tcttcagtat 420
52 tttaaaaaca acttaatttc agtcctttac ttgtggaatc agagcc 466
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 30
56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence ✓
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence: ✓
61 Oligonucleotide primers

ENTERED

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63 <400> SEQUENCE: 3
64 cgttagtggg ttgcacaagg aagataatcg 30
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 27
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence ✓
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72 <223> OTHER INFORMATION: Description of Artificial Sequence: ✓
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79 <211> LENGTH: 261
80 <212> TYPE: DNA
81 <213> ORGANISM: Rattus norvegicus
83 <400> SEQUENCE: 5
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85 caaatcacat aatcgtgaat acgggaagag actctgattt aggaaatgac agatttggga 120
86 aggctgtggg aatagtgaat aggggaaaag cccagttggg aaatcgtttc ctctaagggtg 180
87 acatctgaca actttcctct taatgttgta aaaacatggt gatttcaacc cttccgtgga 240
88 gacagagctg tatttggtta g 261

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/856,766

DATE: 10/11/2001

TIME: 10:25:26

Input Set : A:\ES.txt

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L:12 M:270 C: Current Application Number differs, Replaced Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

FILE 'BIOSIS' ENTERED AT 14:30:06 ON 20 JUN 2003

L1 0 S "SUPEROXIDE DISMUTASE" AND "ENHANCER OR PROMOTER OR PROHANCER"

L2 (47633) S "SUPEROXIDE"

L3 (30132) S "DISMUTASE"

L4 (29952) S "SUPEROXIDE DISMUTASE"

L5 (19213) S "ENHANCER"

L6 (100699) S "PROMOTER"

L7 (0) S "PROHANCER"

L8 (0) S "ENHANCER OR PROMOTER OR PROHANCER"

L9 0 S L1 STEPS

L10 33180 S "MANGANESE SUPEROXIDE DISMUTASE" OR "SOD" OR SUPEROXIDE DISMU

L11 367 S L10 AND (PROMOTER OR EHANCER)

L12 203 S L11 NOT PY>=1999

L13 85 S L12 AND (RAT OR HUMAN)

L14 4 S L13 AND (DELETIONS OR MAPPING OR 5? REGION OR PROMOTER FUNCTI

09856766
 Attach paper No 13

FILE 'STNGUIDE' ENTERED AT 14:38:32 ON 20 JUN 2003

FILE 'BIOSIS' ENTERED AT 14:38:36 ON 20 JUN 2003

FILE 'STNGUIDE' ENTERED AT 14:44:12 ON 20 JUN 2003

FILE 'MEDLINE, BIOSIS, JAPIO, EUROPATFULL, USPATFULL, WPIDS, SCISEARCH, CAPLUS, BIOTECHNO, EMBASE' ENTERED AT 14:51:06 ON 20 JUN 2003

L15 4405 S L10 AND L11

L16 2931 DUP REM L15 (1474 DUPLICATES REMOVED)

L17 1012 S L16 NOT PY>=1999

L18 734 S L17 AND (RAT OR HUMAN)

L19 476 S L18 AND (DELETION? OR MAPP? OR 5(3A)REGION OR 5(3A)END OR PRO

L20 432 S L19 AND (LPS OR TNF? OR IL?)

L21 0 S L20 AND (STIMUL? DEPEND? (P) ACTIVITY)

L22 0 S L20 AND "EHANC? ELEMENT?"

L23 177 S L20 AND CHARACTERIZATION

L24 40 S L23 AND INFLAM?

05/23/03
 West. searched
 using same
 search strategy
 as above. *EA*